

Formula ID 1694 Compound X	P-6144-C	Cure: P	Color:	NB	
			Urethane Type:	Polyeth	er
Application: 35 Shore A, Transparent Millathane® 97 Compound					
Millathane® 97*	100.00	Durometer, Sho	35		
Stearic Acid	0.30	Durometer, Sho			
Wacker HDK-N20 fumed silica	5.00	Durometer, Asker C 25% Modulus, psi 50% Modulus, psi			
Mediaplast NB-4	40.00				MPa MPa
Irganox 1010	0.25	100% Modulus, p	71	0.5 MPa	
Tinuvin 328	0.25	200% Modulus,	89	0.6 MPa	
Tinuvin 765	0.25	300% Modulus, psi		108	0.7 MPa
Struktol WB-222	0.20	Tensile Strength, psi		1145	7.9 MPa
		Elongation,%		769	
Luperox 231	0.50	Tear Die C, lb/ir		51	8.9 kN/m
		Tear Die B, lb/in Tear Die T, lb/in		91	15.9 kN/m kN/m
		,			KIN/III
		Specific Gravity, g/cc		1.000	
		CureTime, minu	ites	4	
		Cure Temp°F		302	150 °C
		Mooney Viscosi	ty, ML4/100°C	14	
Total	147.05	Heat Aging	Hrs at	°C	
Brittle Point, °C		Hardness Cha			
TR10, °C (ASTM D1329)		Tensile Change, %			
Bashore Resilience, %	33	Elongation Change, %			
DIN Abrasion, mm ³ loss	96				
			Hrs at	°C	
Compression Set 22h/70°C, %	25	Hardness Cha			
Compression Set 70h/70°C, %		Tensile Change, % Elongation Change, %			
Compression Set 22h/100°C, %		Volume Chang	-		
Compression Set 70h/100°C, % Compression Set 22h/125°C, %		-			
Compression Set 22h/150°C, %			urface Resistivity, ohm/cm² olume Resistivity, ohm-cm		
Compression Set, Other conditions:		UL 94 Rating:			
h/ °C,%					
Other Tests Rheometer (MDR) at 150°C: ML=0.3 lb-in, MH=4.5 lb-in, ts1=0.7', tc50=1.3', tc90=3.5'. DIN abrasion run with added 10N weight. *High viscosity Millathane 97 was (and should be) used (~70 Mooney)					
	iscosity winat			ncy)	

10/1/2020

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